

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/825,485
Source: IFWB
Date Processed by STIC: 10-22-04

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RAW SEQUENCE LISTING

DATE: 10/22/2004

PATENT APPLICATION: US/10/825,485

TIME: 15:37:03

Input Set : D:\400.150 Sequence Listing.ST25.txt

Output Set: N:\CRF4\10222004\J825485.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
4 McSwiggen, James
6 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hairless (HR) Gene
7 Expression Using Short Interfering Nucleic Acid (siNA)
9 <130> FILE REFERENCE: 400/150 (MBHB04-378)
11 <140> CURRENT APPLICATION NUMBER: US 10/825,485
12 <141> CURRENT FILING DATE: 2004-04-15
14 <150> PRIOR APPLICATION NUMBER: US 10/757,803
15 <151> PRIOR FILING DATE: 2004-01-14
17 <150> PRIOR APPLICATION NUMBER: US 10/720,448
18 <151> PRIOR FILING DATE: 2003-11-24
20 <150> PRIOR APPLICATION NUMBER: US 10/693,059
21 <151> PRIOR FILING DATE: 2003-10-23
23 <150> PRIOR APPLICATION NUMBER: US 10/444,853
24 <151> PRIOR FILING DATE: 2003-05-23
26 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
27 <151> PRIOR FILING DATE: 2003-02-20
29 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028
30 <151> PRIOR FILING DATE: 2003-02-20
32 <150> PRIOR APPLICATION NUMBER: US 60/358,580
33 <151> PRIOR FILING DATE: 2002-02-20
35 <150> PRIOR APPLICATION NUMBER: US 60/363,124
36 <151> PRIOR FILING DATE: 2002-03-11
38 <150> PRIOR APPLICATION NUMBER: US 60/386,782
39 <151> PRIOR FILING DATE: 2002-06-06
41 <150> PRIOR APPLICATION NUMBER: US 60/406,784
42 <151> PRIOR FILING DATE: 2002-08-29
44 <150> PRIOR APPLICATION NUMBER: US 60/408,378
45 <151> PRIOR FILING DATE: 2002-09-05
47 <150> PRIOR APPLICATION NUMBER: US 60/409,293
48 <151> PRIOR FILING DATE: 2002-09-09
50 <150> PRIOR APPLICATION NUMBER: US 60/440,129
51 <151> PRIOR FILING DATE: 2003-01-15
53 <150> PRIOR APPLICATION NUMBER: US 10/427,160
54 <151> PRIOR FILING DATE: 2003-04-30
56 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876
57 <151> PRIOR FILING DATE: 2002-05-17
59 <160> NUMBER OF SEQ ID NOS: 724
61 <170> SOFTWARE: PatentIn version 3.3
63 <210> SEQ ID NO: 1
64 <211> LENGTH: 19
65 <212> TYPE: RNA
66 <213> ORGANISM: Artificial Sequence

Cp5.10-11)

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68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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72 ucccgggagc cacucccau 19
75 <210> SEQ ID NO: 2
76 <211> LENGTH: 19
77 <212> TYPE: RNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
83 <400> SEQUENCE: 2
84 ugggcgccuc uccagcccc 19
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 19
89 <212> TYPE: RNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
95 <400> SEQUENCE: 3
96 cuggccugga agcaccagg 19
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 19
101 <212> TYPE: RNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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107 <400> SEQUENCE: 4
108 gaaccucggg gauggggca 19
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 19
113 <212> TYPE: RNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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120 agaccucac agcccgggg 19
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 19
125 <212> TYPE: RNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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131 <400> SEQUENCE: 6
132 gucuggagcc ggugucgga 19
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 19
137 <212> TYPE: RNA

138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:

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141 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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144 agcucaucug ggcccauga 19
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150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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155 <400> SEQUENCE: 8
156 accucuccag acauuuggc 19
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 19
161 <212> TYPE: RNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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167 <400> SEQUENCE: 9
168 caaaaaucaag gcccuuaga 19
171 <210> SEQ ID NO: 10
172 <211> LENGTH: 19
173 <212> TYPE: RNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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183 <210> SEQ ID NO: 11
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186 <213> ORGANISM: Artificial Sequence
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196 <211> LENGTH: 19
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203 <400> SEQUENCE: 12
204 uccuaggacg caaccuuu 19
207 <210> SEQ ID NO: 13
208 <211> LENGTH: 19
209 <212> TYPE: RNA
210 <213> ORGANISM: Artificial Sequence

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212 <220> FEATURE:

213 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

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221 <212> TYPE: RNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
227 <400> SEQUENCE: 14
228 aagagguuug ggaaggguu                                19
231 <210> SEQ ID NO: 15
232 <211> LENGTH: 19
233 <212> TYPE: RNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
239 <400> SEQUENCE: 15
240 uuggggugga agauggcaa                                19
243 <210> SEQ ID NO: 16
244 <211> LENGTH: 19
245 <212> TYPE: RNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
251 <400> SEQUENCE: 16
252 aagagcagcu ugGCCaggu                                19
255 <210> SEQ ID NO: 17
256 <211> LENGTH: 19
257 <212> TYPE: RNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
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263 <400> SEQUENCE: 17
264 ugaggaugag gcagggcag                                19
267 <210> SEQ ID NO: 18
268 <211> LENGTH: 19
269 <212> TYPE: RNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
275 <400> SEQUENCE: 18
276 gacacaggcc aguggggcg                                19
279 <210> SEQ ID NO: 19
280 <211> LENGTH: 19
281 <212> TYPE: RNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA

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sense region

287 <400> SEQUENCE: 19

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Input Set : D:\400.150 Sequence Listing.ST25.txt

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288 gugccaugug ccacagaug                                19
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292 <211> LENGTH: 19
293 <212> TYPE: RNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
299 <400> SEQUENCE: 20
300 ggagaggacc aggagccag                                19
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 19
305 <212> TYPE: RNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
311 <400> SEQUENCE: 21
312 guggcccggc aggcacagc                                19
315 <210> SEQ ID NO: 22
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317 <212> TYPE: RNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
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327 <210> SEQ ID NO: 23
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329 <212> TYPE: RNA
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333 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
335 <400> SEQUENCE: 23
336 gagcgcccau cacugaccc                                19
339 <210> SEQ ID NO: 24
340 <211> LENGTH: 19
341 <212> TYPE: RNA
342 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:
345 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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347 <400> SEQUENCE: 24
348 cgugagaacu cgacugccc                                19
351 <210> SEQ ID NO: 25
352 <211> LENGTH: 19
353 <212> TYPE: RNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

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359 <400> SEQUENCE: 25
360 ccugccagcu cuggcacug

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : D:\400.150 Sequence Listing.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:623; N Pos. 20,21
Seq#:624; N Pos. 20,21
Seq#:625; N Pos. 20,21
Seq#:626; N Pos. 20,21
Seq#:627; N Pos. 20,21
Seq#:628; N Pos. 20,21
Seq#:629; N Pos. 20,21
Seq#:630; N Pos. 20,21
Seq#:631; N Pos. 20,21
Seq#:632; N Pos. 20,21
Seq#:633; N Pos. 20,21
Seq#:634; N Pos. 20,21
Seq#:635; N Pos. 20,21
Seq#:636; N Pos. 20,21
Seq#:637; N Pos. 20,21
Seq#:638; N Pos. 20,21
Seq#:639; N Pos. 20,21
Seq#:640; N Pos. 20,21
Seq#:641; N Pos. 20,21
Seq#:642; N Pos. 20,21
Seq#:643; N Pos. 20,21
Seq#:644; N Pos. 20,21
Seq#:645; N Pos. 20,21
Seq#:646; N Pos. 20,21
Seq#:647; N Pos. 20,21
Seq#:648; N Pos. 20,21
Seq#:649; N Pos. 20,21
Seq#:650; N Pos. 20,21
Seq#:651; N Pos. 20,21
Seq#:652; N Pos. 20,21
Seq#:653; N Pos. 20,21
Seq#:654; N Pos. 20,21
Seq#:655; N Pos. 20,21
Seq#:656; N Pos. 20,21
Seq#:657; N Pos. 20,21
Seq#:658; N Pos. 20,21
Seq#:659; N Pos. 20,21
Seq#:660; N Pos. 20,21
Seq#:661; N Pos. 20,21
Seq#:662; N Pos. 20,21
Seq#:663; N Pos. 20,21
Seq#:664; N Pos. 20,21
Seq#:665; N Pos. 20,21
Seq#:666; N Pos. 20,21

RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : D:\400.150 Sequence Listing.ST25.txt
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Seq#:667; N Pos. 20,21
Seq#:668; N Pos. 20,21
Seq#:669; N Pos. 20,21
Seq#:670; N Pos. 20,21
Seq#:671; N Pos. 20,21
Seq#:672; N Pos. 20,21
Seq#:673; N Pos. 20,21

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Input Set : D:\400.150 Sequence Listing.ST25.txt

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L:7542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:623 after pos.:0
L:7560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:624 after pos.:0
L:7578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:625 after pos.:0
L:7596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:626 after pos.:0
L:7614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:627 after pos.:0
L:7632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:628 after pos.:0
L:7650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:629 after pos.:0
L:7668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:630 after pos.:0
L:7686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:631 after pos.:0
L:7704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:632 after pos.:0
L:7722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:633 after pos.:0
L:7740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:634 after pos.:0
L:7758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:635 after pos.:0
L:7776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:636 after pos.:0
L:7794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:637 after pos.:0
L:7812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:638 after pos.:0
L:7855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:639 after pos.:0
L:7903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:640 after pos.:0
L:7951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:641 after pos.:0
L:7999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:642 after pos.:0
L:8057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:643 after pos.:0
L:8100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:644 after pos.:0
L:8143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:645 after pos.:0
L:8186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:646 after pos.:0
L:8219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:647 after pos.:0
L:8262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:648 after pos.:0
L:8305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:649 after pos.:0
L:8348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:650 after pos.:0
L:8396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:651 after pos.:0
L:8434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:652 after pos.:0
L:8477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:653 after pos.:0
L:8515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:654 after pos.:0
L:8568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:655 after pos.:0
L:8636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:656 after pos.:0
L:8704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:657 after pos.:0
L:8772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:658 after pos.:0
L:8855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:659 after pos.:0
L:8913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:660 after pos.:0
L:8976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:661 after pos.:0
L:9034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:662 after pos.:0
L:9082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:663 after pos.:0
L:9145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:664 after pos.:0
L:9208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:665 after pos.:0
L:9271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:666 after pos.:0
L:9349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:667 after pos.:0
L:9402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:668 after pos.:0
L:9460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:669 after pos.:0
L:9513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:670 after pos.:0

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L:9566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:671 after pos.:0

L:9634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:672 after pos.:0